

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Previously Presented) A bimetal snap disc thermostat comprising:
 - a phenolic body assembly having a predetermined thermal limit;
 - a switch in said body assembly;
 - a bimetal snap disc mounted on said body assembly;
 - an operator operating said switch in response to snap movement of said bimetal snap disc;
 - said snap disc and said body together defining a heater chamber;
 - a pair of heater terminals extending outwardly from said heater chamber through apertures provided in said body assembly, said apertures including at least one tapered surface operable to facilitate insertion of said heater terminals into said body assembly; and
 - at least one resistance heater within said heater chamber in a closely spaced proximity to said snap disc, said at least one resistance heater fixed to said heater terminals by a plurality of leads;
 - said heater terminals engaging said body to position said at least one resistance heater relative to said snap disc.

2. (Previously Presented) A bimetal snap disc thermostat as set forth in claim 1 wherein said operator is movably supported by a partition.

3. (Original) A bimetal snap disc thermostat as set forth in claim 2 wherein said partition comprises a surface operative to reduce the volume of said heater chamber.

4. (Original) A bimetal snap disc thermostat as set forth in claim 1 wherein said thermostat includes a second resistance heater spaced from said at least one resistance heater, said second resistance heater having a pair of leads secured to respective ones of said terminals.

5. (Original) A bimetal snap disc thermostat as set forth in claim 1 wherein said resistance heater is insulated from said body assembly and said snap disc only by air within said heater chamber.

6. (Original) A bimetal snap disc thermostat as set forth in claim 1 wherein said at least one resistance heater is supported within about .082" to .062" from said bimetal snap disc.

7. (Original) A bimetal snap disc thermostat as set forth in claim 6 wherein the minimum spacing between said resistance heater and said body is .015".

8. (Cancelled)

9. (Currently Amended) A ~~bimetal snap disc~~ thermostat as set forth in claim 8 13 wherein said ~~heating~~ chamber contains air, said air occupying the entire space between said resistance ~~heater~~ heaters and said bimetal snap disc.

10. (Currently Amended) A ~~bimetal snap disc~~ thermostat as set forth in claim 9 wherein said resistance ~~heater is~~ heaters are positioned ~~within~~ about ~~.082"-.062"~~ 0.082 inches to about 0.062 inches away from said bimetal snap disc.

11. (Currently Amended) A ~~bimetal snap disc~~ thermostat as set forth in claim 10 wherein said resistance heaters are positioned on opposite sides of said operator.

12. (Cancelled)

13. (New) A thermostat comprising:
a body having a plurality of apertures, at least one aperture including at least one tapered surface;
a switch in said body;
a bimetal snap disc adjacent to said body;
an operator acting on said switch in response to movement of said bimetal snap disc;
said body and said bimetal snap disc cooperating to define a chamber;

a plurality of terminals extending outwardly from said chamber through said apertures in said body;

a plurality of resistance heaters connected to said terminals and located within said chamber; and

said terminals including at least one projection engaging said body to support said resistance heaters at a spaced distance from said bimetal snap disc.